

GenCore version 5.1.4_p5_4578
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OM nucleic - nucleic search, using sw model

Run on: March 26, 2003, 11:15:29 ; Search time 9316.36 Seconds
(without alignments)
65.601 Million cell updates/sec

Title: US-10-086-184-2

Perfect score: 21
Sequence: 1 gtgcctcgtatagagctgacc 21

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 2054640 seqs, 14551402878 residues

Total number of hits satisfying chosen parameters: 774614

Minimum DB seq length: 0
Maximum DB seq length: 40

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

GenEmbl:*
1: gb_ba:*
2: gb_hcg:*
3: gb_in:*
4: gb_om:*
5: gb_ov:*
6: gb_pat:*
7: gb_ph:*
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34: em_hcg_pin:*
35: em_hcg_rtd:*
36: em_hcg_mam:*
37: em_hcg_vrt:*
38: em_sy:*
39: em_hcg_hum:*
40: em_hcg_mus:*
41: em_hcg_other:*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	13.6	64.8	25	6	AX328796 Sequence
C 2	13.4	63.8	21	6	AX019207 Sequence
C 3	12.8	61.0	39	6	AX418584 Sequence
C 4	12.6	60.0	27	6	AR084832 Sequence
C 5	12.4	59.0	17	6	A20005 SEQ ID NO: A20013
C 6	12.4	59.0	17	6	A20013 SEQ ID NO: A20029
C 7	12.4	59.0	17	6	A20029 SEQ ID NO: 113201
C 8	12.4	59.0	17	6	113201 Sequence 23
C 9	12.4	59.0	17	6	113217 Sequence 45
C 10	12.4	59.0	20	6	AX417158 Sequence
C 11	12.4	59.0	23	6	AX417148 Sequence
C 12	12.4	59.0	31	6	AX417152 Sequence
C 13	12.4	59.0	32	6	AR175460 Sequence
C 14	12.4	59.0	36	6	AX417156 Sequence
C 15	12.2	58.1	24	6	AX443895 Sequence
C 16	12.2	58.1	25	6	AX447871 Sequence
C 17	12.2	58.1	26	6	AX038056 Sequence
C 18	12.2	58.1	26	6	AX038057 Sequence
C 19	12.2	58.1	26	6	AX327686 Sequence
C 20	12.2	58.1	27	6	E36449 DNA polymer
C 21	12.2	58.1	27	6	113350 Sequence 7
C 22	12.2	58.1	32	6	118872 Sequence 18
C 23	12.2	58.1	32	6	136798 Sequence 18
C 24	12.2	58.1	32	6	156002 Sequence 18
C 25	12.2	58.1	33	6	E36466 DNA polymer
C 26	12.2	58.1	35	6	AX120003 Sequence
C 27	12.2	58.1	40	6	AX107556 Sequence
C 28	12.2	57.1	22	6	A22025 Oligonucleo
C 29	12.2	57.1	24	6	AR093406 Sequence
C 30	12.2	57.1	24	6	AR172153 Sequence
C 31	12.2	57.1	24	6	BD000251 Oligonuc
C 32	12.2	57.1	24	6	BD000359 Method fo
C 33	12.2	57.1	24	6	BD000795 Oligonuc
C 34	12.2	57.1	24	6	E30931 Amplificati
C 35	12.2	57.1	25	6	AX197037 Sequence
C 36	12.2	57.1	33	6	186650 Sequence 29
C 37	12.2	57.1	37	6	AR181187 Sequence
C 38	11.8	56.2	20	6	AR016119 Sequence
C 39	11.8	56.2	20	6	AR019117 Sequence
C 40	11.8	56.2	20	6	AX293144 Sequence
C 41	11.8	56.2	20	6	E07026 Primer. 9/1
C 42	11.8	56.2	22	6	AR108179 Sequence
C 43	11.8	56.2	22	6	AR148629 Sequence
C 44	11.8	56.2	22	6	AR206680 Sequence
C 45	11.8	56.2	22	6	AX085790 Sequence

ALIGNMENTS

RESULT 1	AX328796/c	25 bp	DNA	linear	PAT 08-JAN-2002
LOCUS	AX328796				
DEFINITION	Sequence 293 from Patent EP1164203.				
ACCESSION	AX328796				
VERSION	AX328796.1				
KEYWORDS	GI:18101995				
SOURCE	unidentified.				
ORGANISM	unclassified.				
REFERENCE	1				
AUTHORS	Koester H., Little D.P., Braun A., Jurinke C., van den Boom D., Xiang G., Lough D.M., Ruppert A. and Hillekamp F.				
TITLE	Dna diagnostics based on mass spectrometry				
JOURNAL	Patent: EP 1164203-A 293 19-DEC-2001;				

SEQUENOM, INC. (US)

FEATURES
source 1.25
/db_xref="taxon:32630"

BASE COUNT 8 a 6 c 4 g 7 t

Query Match 64.8%; Score 13.6; DB 6; Length 25;
Best Local Similarity 80.0%; Pred. No. 1.7e+04;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GTGCTACTGATAGCTGTAC 20
DB 20 GTTCTACTGATAGAAATTAC 1

RESULT 2
AX019207/c AX019207 21 bp DNA linear PAT 07-SEP-2000

LOCUS AX019207 Sequence 45 from Patent WO9941393.
DEFINITION AX019207
ACCESSION AX019207
VERSION AX019207.1 GI:10043239

KEYWORDS
SOURCE synthetic construct.
ORGANISM artificial sequences.

REFERENCE 1 (bases 1 to 21)
Acland, D.P., Blake, A.N., Lee, M.D., Osborn, R.W., Robinson, M.P. and

AUTHORS Windness, J.D.

TITLE Insecticidal peptides
Patent: WO 9941393-A 45 19-AUG-1999;
Acland, David Paul (GB); Blake Andrew Nicholas (GB); Lee Michael
David (GB); Osborn Rupert William (GB); Zenecca Ltd (GB); Robinson
Michael Peter (GB); Windness John David (GB)

FEATURES
source 1.21
/db_xref="taxon:32630"

BASE COUNT 5 a 5 c 5 g 6 t

ORIGIN

Query Match 63.8%; Score 13.4; DB 6; Length 21;
Best Local Similarity 93.3%; Pred. No. 2.2e+04;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GTGCTACTGATAGG 15
DB 18 GCCTACTGATAGG 4

RESULT 3
AX418584 AX418584 39 bp DNA linear PAT 18-JUN-2002

LOCUS AX418584 Sequence 70 from Patent WO0200006.
DEFINITION AX418584
ACCESSION AX418584
VERSION AX418584.1 GI:21523449

KEYWORDS
SOURCE synthetic construct.
ORGANISM artificial sequences.

REFERENCE 1
Lu, Y. and Li, J.

AUTHORS Nucleic acid enzyme biosensor for ions
TITLE Patent: WO 0200006-A 70 03-JUN-2002;
JOURNAL THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS (US)

FEATURES
source 1.39
/db_xref="taxon:32630"

BASE COUNT 10 a 5 c 9 g 15 t

ORIGIN

Query Match 61.0%; Score 12.8; DB 6; Length 39;
Best Local Similarity 87.5%; Pred. No. 4.6e+04;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GCTACTGATAGCTGT 18
DB 9 GCTACTGAAATAGTGT 24

RESULT 4
AR084832/c AR084832 27 bp DNA linear PAT 01-SEP-2000

LOCUS AR084832 Sequence 16 from patent US 5981225.
DEFINITION AR084832
ACCESSION AR084832
VERSION AR084832.1 GI:10011603

KEYWORDS
SOURCE Unknown.

ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 27)
Kochanek, S. and Schiedner, G.
TITLE Gene transfer vector, recombinant adenovirus particles containing
the same, method for producing the same and method of use of the
same

JOURNAL Patent: US 5981225-A 16 09-NOV-1999;
FEATURES
source 1.27
/db_xref="taxon:32630"

BASE COUNT 11 a 5 c 5 g 6 t

ORIGIN

Query Match 60.0%; Score 12.6; DB 6; Length 27;
Best Local Similarity 78.9%; Pred. No. 6.1e+04;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 GTGCTACTGATAGCTGT 19
DB 24 GTGTTACTGATAGCTGT 6

RESULT 5
A20005/c A20005 17 bp DNA linear PAT 14-JUL-1995

LOCUS A20005 SEQ ID NO: 13; Oligonucleotide B83510.
DEFINITION A20005
ACCESSION A20005
VERSION A20005.1 GI:1247838

KEYWORDS
SOURCE synthetic construct.
ORGANISM artificial sequences.

FEATURES
source 1.17
/db_xref="taxon:32630"

BASE COUNT 7 a 4 c 2 g 4 t

ORIGIN

Query Match 59.0%; Score 12.4; DB 6; Length 17;
Best Local Similarity 92.9%; Pred. No. 8.1e+04;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 TGCTACTGATAGG 15
DB 14 TGCTACTGATAGG 1

RESULT 6
A20013/c A20013 17 bp DNA linear PAT 14-JUL-1995

LOCUS A20013 SEQ ID NO: 21; Oligonucleotide B83510.
DEFINITION A20013
ACCESSION A20013

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VERSION      A20013.1  GI:1247846
KEYWORDS     .
SOURCE       .
ORGANISM     .
FEATURES     .
      source      Location/Qualifiers
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      /organism="synthetic construct"
      /db_xref="taxon:32630"
BASE COUNT   7 a      4 c      2 g      4 t
ORIGIN
Query Match      59.0%; Score 12.4; DB 6; Length 17;
Best Local Similarity 92.9%; Pred. No. 8.1e+04;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      2 TGCTACTGATAGAG 15
      |||
      14 TGCTACTGATAGTG 1

RESULT 7
LOCUS      A20029      17 bp      DNA      linear      PAT 14-JUL-1995
DEFINITION SEQ ID NO: 37; Oligonucleotide primer BB3510.
ACCESSION  A20029
VERSION     A20029.1  GI:1247864
KEYWORDS    .
SOURCE      .
ORGANISM    .
FEATURES     .
      source      Location/Qualifiers
      1..17
      /organism="synthetic construct"
      /db_xref="taxon:32630"
BASE COUNT   7 a      4 c      2 g      4 t
ORIGIN
Query Match      59.0%; Score 12.4; DB 6; Length 17;
Best Local Similarity 92.9%; Pred. No. 8.1e+04;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      2 TGCTACTGATAGAG 15
      |||
      14 TGCTACTGATAGTG 1

RESULT 8
LOCUS      I13201      17 bp      DNA      linear      PAT 26-JUL-1995
DEFINITION Sequence 23 from patent US 5434073.
ACCESSION  I13201
VERSION     I13201.1  GI:910549
KEYWORDS    .
SOURCE      .
ORGANISM    .
FEATURES     .
      source      Location/Qualifiers
      1..17
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BASE COUNT   7 a      4 c      2 g      4 t
ORIGIN
Query Match      59.0%; Score 12.4; DB 6; Length 17;
Best Local Similarity 92.9%; Pred. No. 8.1e+04;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      2 TGCTACTGATAGAG 15
      |||
      14 TGCTACTGATAGTG 1

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DB      14 TGCTACTGATAGTG 1

RESULT 9
LOCUS      I13217      17 bp      DNA      linear      PAT 26-JUL-1995
DEFINITION Sequence 45 from patent US 5434073.
ACCESSION  I13217
VERSION     I13217.1  GI:910565
KEYWORDS    .
SOURCE      .
ORGANISM    .
FEATURES     .
      source      Location/Qualifiers
      1..17
      /organism="unknown"
BASE COUNT   7 a      4 c      2 g      4 t
ORIGIN
Query Match      59.0%; Score 12.4; DB 6; Length 17;
Best Local Similarity 92.9%; Pred. No. 8.1e+04;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      2 TGCTACTGATAGAG 15
      |||
      14 TGCTACTGATAGTG 1

RESULT 10
LOCUS      AX417158      20 bp      DNA      linear      PAT 14-JUN-2002
DEFINITION Sequence 35 from Patent WO0220811.
ACCESSION  AX417158
VERSION     AX417158.1  GI:21449745
KEYWORDS    .
SOURCE      .
ORGANISM    .
FEATURES     .
      source      Location/Qualifiers
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      /db_xref="taxon:32630"
BASE COUNT   6 a      6 c      0 g      8 t
ORIGIN
Query Match      59.0%; Score 12.4; DB 6; Length 20;
Best Local Similarity 92.9%; Pred. No. 8e+04;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      6 ACTGATAGAGTGTA 19
      |||
      20 ACTGATAGAGTGTA 7

RESULT 11
LOCUS      AX417148      23 bp      DNA      linear      PAT 14-JUN-2002
DEFINITION Sequence 25 from Patent WO0220811.
ACCESSION  AX417148
VERSION     AX417148.1  GI:21449735
KEYWORDS    .
SOURCE      .
ORGANISM    .
FEATURES     .
      source      Location/Qualifiers
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      /organism="synthetic construct"
      /db_xref="taxon:32630"
BASE COUNT   7 a      4 c      2 g      4 t
ORIGIN
Query Match      59.0%; Score 12.4; DB 6; Length 23;
Best Local Similarity 92.9%; Pred. No. 8e+04;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      6 ACTGATAGAGTGTA 19
      |||
      20 ACTGATAGAGTGTA 7

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REFERENCE          1      artificial sequences.
AUTHORS            1      Golovko, A. and Hall, G.J.
TITLE              1      Modified tet -inducible system for regulation of gene expression in
                        plants
JOURNAL            1      Patent: WO 0220811-A 25 14-MAR-2002;
                        BASF Plant Science GmbH (DE)
FEATURES           source
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BASE COUNT         7 a      5 c      5 g      6 t
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Query Match       59.0%; Score 12.4; DB 6; Length 23;
Best Local Similarity 92.9%; Pred. No. 8e+04;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6 ACTGATAGAGTGA 19
Db 10 ACTGATAGAGTGCA 23

RESULT 12
LOCUS              31 bp      DNA      linear      PAT 14-JUN-2002
DEFINITION         Sequence 29 from Patent WO0220811.
ACCESSION           AX417152
VERSION             AK417152.1 GI:21449739
KEYWORDS            .
SOURCE              synthetic construct.
ORGANISM            synthetic construct.
REFERENCE           1
AUTHORS             Golovko, A. and Hall, G.J.
TITLE              Modified tet -inducible system for regulation of gene expression in
                        plants
JOURNAL            Patent: WO 0220811-A 29 14-MAR-2002;
                        BASF Plant Science GmbH (DE)
FEATURES           location/Qualifiers
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BASE COUNT         12 a      5 c      5 g      9 t
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Query Match       59.0%; Score 12.4; DB 6; Length 31;
Best Local Similarity 92.9%; Pred. No. 7.9e+04;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6 ACTGATAGAGTGA 19
Db 18 ACTGATAGAGTGCA 31

RESULT 13
LOCUS              32 bp      DNA      linear      PAT 17-DEC-2001
DEFINITION         Sequence 2 from patent US 6309829.
ACCESSION           ARI75460
VERSION             ARI75460.1 GI:17916759
KEYWORDS            .
SOURCE              Unknown.
ORGANISM            Unknown.
REFERENCE           1
AUTHORS             Livak, K.J., Lowe, A.L. and Blasband, A.J.
TITLE              length determination of nucleic acid repeat sequences by
                        discontinuous primer extension
JOURNAL            Patent: US 6309829-A 2 30-OCT-2001;
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BASE COUNT         12 a      2 c      9 g      9 t
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Best Local Similarity 92.9%; Pred. No. 7.9e+04;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6 ACTGATAGAGTGA 19
Db 7 ACTGATAGAGTGTA 20

RESULT 14
LOCUS              36 bp      DNA      linear      PAT 14-JUN-2002
DEFINITION         Sequence 33 from Patent WO0220811.
ACCESSION           AX417156
VERSION             AX417156
KEYWORDS            .
SOURCE              synthetic construct.
ORGANISM            synthetic construct.
REFERENCE           1
AUTHORS             Golovko, A. and Hall, G.J.
TITLE              Modified tet -inducible system for regulation of gene expression in
                        plants
JOURNAL            Patent: WO 0220811-A 33 14-MAR-2002;
                        BASF Plant Science GmbH (DE)
FEATURES           location/Qualifiers
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Query Match       59.0%; Score 12.4; DB 6; Length 36;
Best Local Similarity 92.9%; Pred. No. 7.8e+04;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 6 ACTGATAGAGTGA 19
Db 23 ACTGATAGAGTGCA 36

RESULT 15
LOCUS              24 bp      DNA      linear      PAT 03-JUL-2002
DEFINITION         Sequence 350 from Patent WO0216649.
ACCESSION           AX443895
VERSION             AX443895
KEYWORDS            .
SOURCE              synthetic construct.
ORGANISM            synthetic construct.
REFERENCE           1
AUTHORS             Gunderson, K.
TITLE              Probes and decoder oligonucleotides
JOURNAL            Patent: WO 0216649-A 350 28-FEB-2002;
                        Illumina, Inc. (US)
FEATURES           location/Qualifiers
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BASE COUNT         4 a      9 c      5 g      6 t
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Best Local Similarity 82.4%; Pred. No. 1e+05;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 3 GCTACTGATAGAGTGA 19

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Thu Mar 27 09:39:24 2003

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Db 18 GCACTGTAGACGTA 2

Search completed: March 26, 2003, 16:47:40
Job time : 9318.36 secs

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